

Appl. No. : 10/820,417
Filed : April 7, 2004

REMARKS

Claims 1, 5, 17, 22, and 22 have been amended to clarify the invention. Further, claim 1 has been amended to recite "by facing the lower surface of the porous film toward the wiring patters and facing the adhesive sheet away from the wiring patterns" to clarify that the adhesive sheet is not placed between the porous film and the wiring patterns (see Figs. 2, 3, and 5, for example). Claims 17 and 22 have been amended to recite or clarify the step similar to the above.

Claim 26 has been rewritten in independent form including all of the limitations of a base claim and any intervening claims. Claims 27-29 have been added, which correspond to previous claims 23-25.

No new matter has been added. Applicant respectfully requests entry of the amendments and reconsideration of the application in view of the amendments and the following remarks.

Claim Rejection – 35 U.S.C. § 112

Claims 1-16 have been rejected under 35 U.S.C. § 112, second paragraph, with regard to the language set forth in the Office action. The language has been amended to adequately define the invention. Applicant respectfully requests withdrawal of this rejection.

Rejection Under 35 U.S.C. § 103

Claims 1-25 have been rejected under 35 U.S.C. § 103(a) as being unpatentable over Fukutake (No. 5473118). Claims 1, 17, and 22 are independent and have been amended to clarify the invention. Applicant respectfully traverses this rejection.

The Examiner asserts that Figure 2 of Fukutake shows a dielectric substrate, a printed circuit thereon and an overlay film of the porous fluoropolymer film. However, in Figures 2 of Fukutake, the adhesive (4) is formed in the region (6) facing to or in contact with the substrate (1) with the electrical circuit (2) in order to bond to the substrate (1) with the electrical circuit (2).

In contrast, in claim 1 as amended herein, the composite sheet is laminated on top of the wiring patterns by facing the lower surface of the porous film toward the wiring patters and facing the adhesive sheet away from the wiring patterns, and pressing the composite sheet under heat to accomplish (a) the composite sheet is deformed to contact both the wiring layer and the insulating layer, and (b) the adherent sheet is fully permeated within the porous film (see Figs. 2,

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3, and 5, for example). In the claim, the adhesive sheet is placed on the upper side of the porous film opposite to the lower side facing to or in contact with the wiring patterns but is permeated through the porous film and reaches the wiring patterns by the pressurization under heat. By doing this, the porous film can easily be deformed and fitted onto the wiring patterns (paragraph 0011 on page 3, for example). Fukutake gives absolutely no indication or suggestion of the above process. Thus, Fukutake could not render claim 1 obvious. Claims 17 and 22 recite similar limitations. Thus, claims 1, 17, and 22 could not be obvious over Fukutake. At least for this reason, the remaining dependent claims also could not be obvious over Fukutake. Applicant respectfully requests withdrawal of this rejection.

Allowable Subject Matter

Claim 26 has been objected to as being dependent upon a rejected base claim but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Claim 26 has been so rewritten, thereby rendering claim 26 allowable.

Claims 27-29 have been added, which depend from claim 26. Thus, at least for this reason, the remaining dependent claims also should be allowable.

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CONCLUSION

In light of the Applicant's amendments to the claims and the foregoing Remarks, it is respectfully submitted that the present application is in condition for allowance. Should the Examiner have any remaining concerns which might prevent the prompt allowance of the application, the Examiner is respectfully invited to contact the undersigned at the telephone number appearing below.

Please charge any additional fees, including any fees for additional extension of time, or credit overpayment to Deposit Account No. 11-1410.

Respectfully submitted,

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